

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 5836 (1977): Inner Wire Ropes for Automobile Control Cables [MED 10: Wire Ropes and Wire Products]



“ज्ञान से एक नये भारत का निर्माण”

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“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard
**SPECIFICATION FOR
 INNER WIRE ROPES FOR AUTOMOBILE
 CONTROL CABLES**
(First Revision)

1. Scope — Covers wire ropes, strands and cords used as inner cores for control cables for automobiles.

2. Terminology — Refer IS : 2363-1965 'Glossary of terms relating to wire ropes'.

3. Size and Tolerances — The size of the rope or strand designated as 'nominal diameter' shall be one of those given in Table 1.

3.1 The tolerance on the nominal diameter shall be as given below:

Nominal Diameter mm	Tolerance Percent
1.2, 1.6, 1.8, 2.0, 2.5 and 3.0	+7 -1
3.5 and 4.0	+6 -1

4. Minimum Breaking Load — Shall be as given in Table 1.

5. General Requirements — The wire ropes and strands shall conform to IS : 6594-1977 'Technical supply conditions for wire ropes and strands' and also meet the following requirements.

5.1 Lay — The wire ropes and strands shall have right-hand or left-hand ordinary lay.

5.1.1 In case of strands other than 9/3 and 9/9/1 construction, alternate layers shall be wound in opposite directions, the outermost layer being wound in the direction as specified by the purchaser.

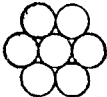
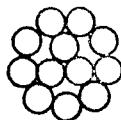
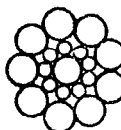
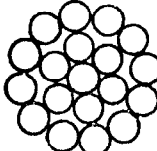
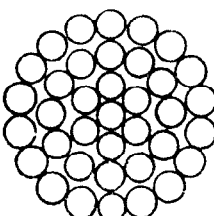
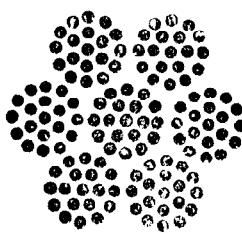
5.1.2 The pitch of the lay shall not exceed 8 times the diameter of the respective layers.

5.2 Forming — The strands comprising the ropes shall be preformed, and post-formed during manufacture, into the exact helical position they will have in the finished rope. This shall be done in such a manner that the finished rope or strand, when cut, does not unravel and the cut length shall be straight and not in wave form.

6. Galvanizing — The zinc coating on galvanized wires shall meet the requirements as laid down for 'Type B' coating of IS : 1835-1976 'Specification for steel wire for ropes (second revision)'.

7. Marking — Refer IS : 6594-1977.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

TABLE 1 INNER CORES FOR AUTOMOBILE					
(Clauses 3 and 4)					
Figure	Construc- tion	Nominal Diameter	Approxi- mate Mass	Minimum Breaking Load Corresponding to Tensile Designation of Wires of	
				1770	1960
(1)	(2)	mm (3)	kg/100 m (4)	kN (5)	kN (6)
	6/1	1.2	0.7	1.2	1.3
	9/3	1.2 1.6	0.7 1.2	1.2 2.2	1.4 2.4
	9/9/1	1.6	1.1	2.4	2.6
	12/6/1	1.2 1.6 1.8 2.0 2.5	0.7 1.3 1.6 2.0 2.9	1.3 2.3 2.8 3.4 5.4	1.4 2.5 3.1 3.8 6.0
	18/12/6/1	3.0 3.5 4.0	4.5 6.0 7.8	8.0 10.9 14.0	8.9 12.1 15.5
	7/12/6/1	3.0 3.5 4.0	3.9 4.3 6.7	5.3 7.2 9.4	5.9 8.0 10.4

EXPLANATORY NOTE

This standard was first issued in 1970. The experience gained in the implementation of this standard necessitated the revision of the standard. While revising this standard an additional wire strand of 6/1 construction has been included.